User Manual

Documentation about installation and User Manual fort he navigation software MagicMaps2Go as an Addon fort he CD-/DVD-Software „Interactive Maps“ and „ActionMaps/CityMaps“.

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1 First Steps

Installation and Update of MagicMaps2Go

To install MagicMaps2Go completely on your PDA please follow the steps:

Close all windows applications.
Insert the CD-ROM MagicMaps2Go in your drive.
The autostart-menu should appear with the selection interface.

a) In the autostart-menu choose the option „Update“. Your Interactive Maps application alternatively your ActionMaps should be updated. Please note that, that the Interactive Maps alternatively the ActionsMaps should be already installed on your PC.

b) In the autostart-menu choose the option "Installation".
The PDA-Addon should be installed on your PDA.

c) The option „Handbook“ opens the user manual and the full help to MagicMaps2Goi in the pdf-format, which is also suitable for printing.

Tip: If autostart is deactivated, please start the autorun.exe from your PC (in the Explorer on your drive, in which the CD is insterted) starting with step a).

If the Update and the installation is successfull, please start the MagicMaps PC Software (Interactive Maps or ActionMaps). Every further steps should be made in the PC Software.

In the following the steps in the Interactive Maps 1.5 and for the Interactive Maps 2.0 and other products (ActionMaps, CityMaps, etc.) are described..

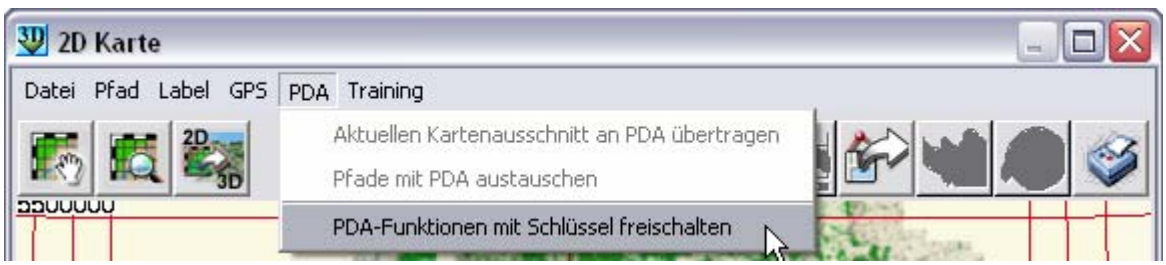
1.1.1 Freischaltung der PDA-Anbindung für “Interaktive Kartenwerke 1.5“

All functions for the PDA are available in the menu 2D-Mapview. You can find there, after a successful installation, beside the entry “GPS” the new entry PDA.

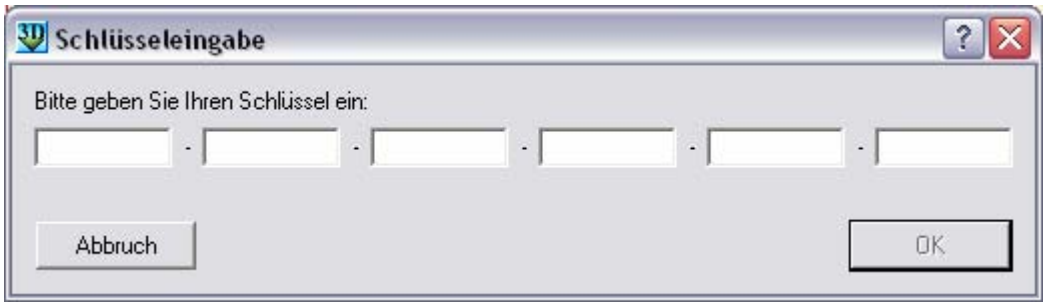
Tip: If this menu entry is missing, please go to step 1.1 in this manual.

1.1.2 Entry of the licence key:

If you click the menu entry „PDA“ for the first time the entry will look like this:



Please enter your licence key, you can find on the inside cover of your CD-ROM.
You don't have to enter the hyphens between the numbers, these are included in the mask.
The insertation is not case sensitiv.



If the entered licence key is valid, there will be no more message. The functions for PDA export are activated right now. You are able to export maps and projects to the PDA and import data from the PDA.

If you made a mistake by entering the licence key a warning will be displayed with the following text:

Please enter your key one more time.

Tip: If you have already installed MagicMaps2Go version 1, you also have to enter the key. And you have to follow the steps under 1.2.1.

Tip: You are only able to exchange data with the MagicMaps2GO version 2 if you entered the licence key successfully.

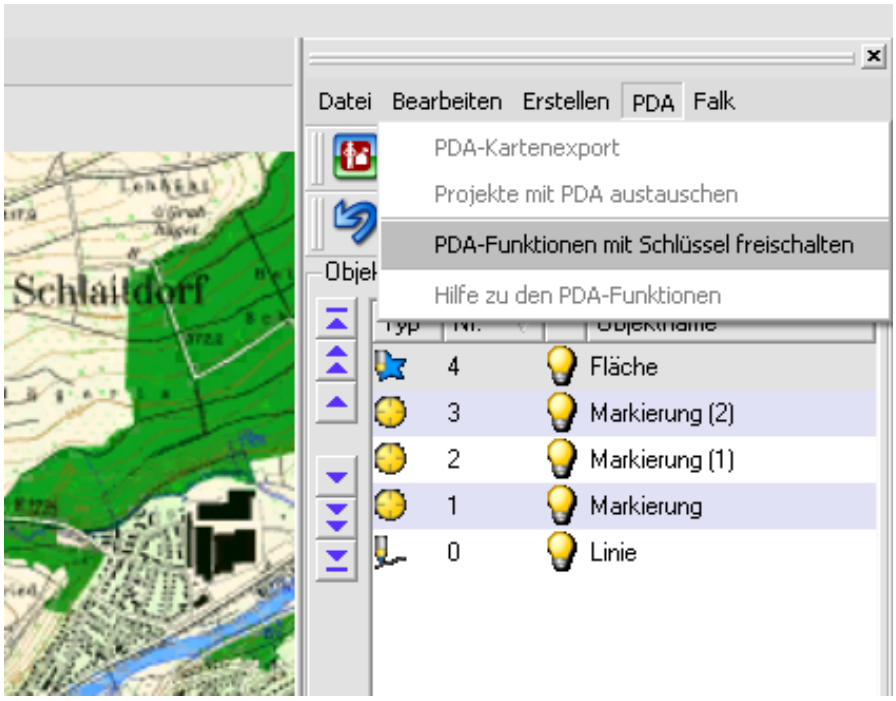
1.2 Activation of the PDA-Addon for the Interactive Maps 2.0 and other products

This manual entry is only important for the products Interactive maps 2.0, ActionMaps and the CityMaps (for example BikeArena Sauerland, 3D CityMap Stuttgart and so on).
All functions for the PDA, are available over the menu in the object manager. After a successful installation you can find there the entry "PDA".

Tip: If this menu entry is missing, please go to step 1.1 in this manual.

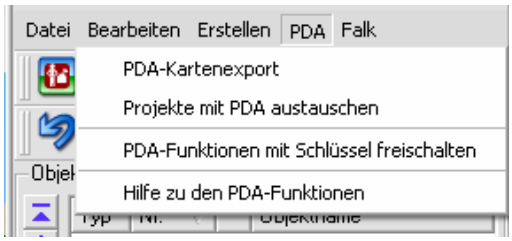
1.2.1 Entry of the licence key

If you click the menu entry „PDA“ for the first time the entry will look like this:



Please enter your licence key, you can find on the inside cover of your CD-ROM.
You don’t have to enter the hyphens between the numbers, these are included in the mask.
The insertation is not case sensitiv.

If the entered licence key is valid, there will be no more message. The functions for PDA export are activated right now. You are able to export maps and projects to the PDA and import data from the PDA.

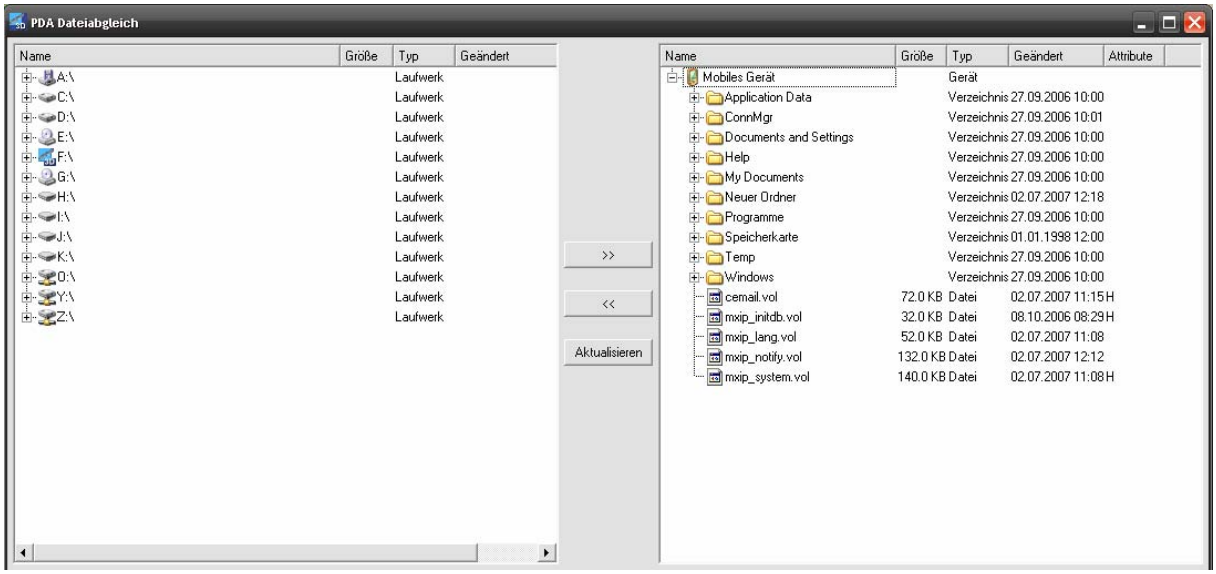


Tip: If you have already installed MagicMaps2Go version 1, you also have to enter the key. And you have to follow the steps under 1.2.1.

Tip: You are only able to exchange data with the MagicMaps2GO version 2 if you entered the licence key successfully.

1.3 Exchange of data and tours with the PDA

The menu entry „Exchange projects with the PDA“ opens up the dialog seen here.



In the left window you can see the drives and directories of your own PC, in the right window you can see the directories of your PDA.

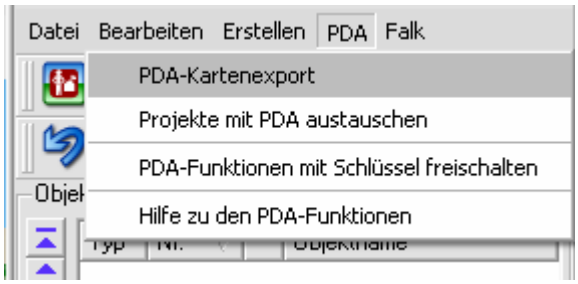
With the arrow buttons in the middle you can copy data from one window into another. “Drag and Drop” is also possible, which means, you can select a directory in the left window and pull it with pressed mouse button in the right window.
The dialog opens with the root directory selected in the both windows.

1.4 Export parts of a map on the PDA

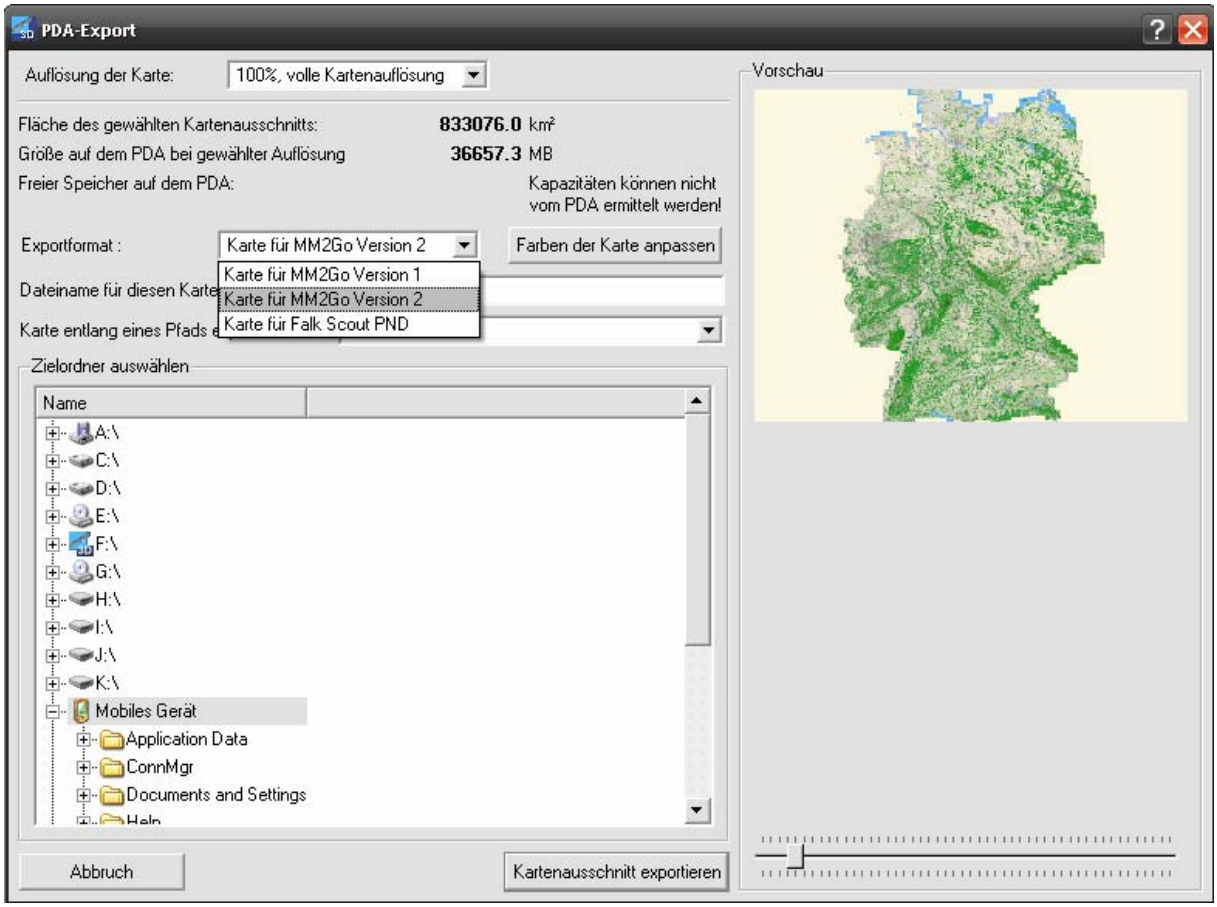
With the first entry „PDA-Mapexport“ it is possible to export the map, which is just selected in 2D-View. The part of the map will be exported as a digital document.

In the first move, you have to select the area, you want to export in the 2D-view. For that purpose you should zoom to that area, you want to export. There are two possibilities to zoom. The first option is to use the mouse wheel to zoom in or out of the map. The second option is the zoom-mode. You can activate the zoom mode by clicking on the icon in the toolbar of the 2D view. By pressing and holding the left mouse button you can select a selection frame, which is zoomed in or zoomed out.

If you have selected the area you want to export you can click on the menu entry “PDA” and then on “PDA-Mapexport”.



Then the following window will open up.



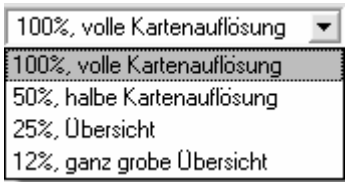
Choose the resolution of the map, give the area you selected a name and choose the location on the PDA, where you want to save the map. For exporting maps for MM2Go version 2 it is important that you choose the exportformat of the version 2 „Map for MM2Go version 2“. Ohterwise the exported map can only be loaded into the version 1 of MagicMaps2Go. After clicking on the button “Export map area” the export will start.

The following settings are available as well:

1.4.1 Resolution of the map

The default setting is 100%, that means, that the map is transfered to the PDA in full qualitiy.

But if you want to reduce the memory requirements, you can minimize the resolution of the map, for example to 50%.



1.4.2 Informations about the area of the map: Size and memory requirements

You can get informations about the area of the selected part of the map and about the memory requirements in the dialog informations. If you reduce the resolution, the memory requirements will sink.

The information about the memory on the PDA is calculated without the memory on the storage card. The access on storage cards is not possible, therefore you have to search for the free space on the storage card, by yourself.
In general Storage Card are excellent for saving the data, because they have more memory, then the PDA itself.

1.4.3 Changing the colors of the map – for example for areas with al lot of forrest

The button „Configure colors of the map“ opens up another dialog.

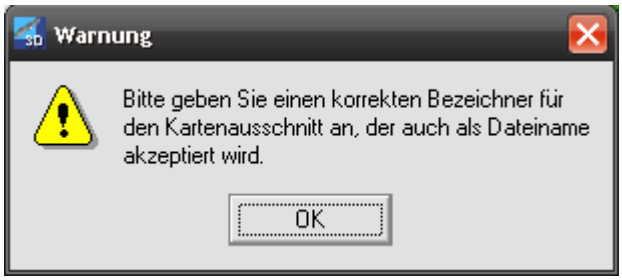
On the left side you see the original map, on the right side the changed mal. With the slider you can change the color of the map. This is helpful, if there are a lot of forrest is displayed in the selected map area, because the green is sometimes shown really dark on some PDA.

The default value of both sliders is 0%. If you change the values, they will be saved and they will only influence the exported area. They won't influence the display in the PC.

1.4.4 Dateinamen für Kartenausschnitt und Zielort

The filenames for the map should be in the known format, this means, that there shouldn't be any question marks, stars, slashes or quotation marks.

If you don't enter a valid map name, there will be a warning shown, after executing the export.:


Warnung
Bitte geben Sie einen korrekten Bezeichner für den Kartenausschnitt an, der auch als Dateiname akzeptiert wird.
OK

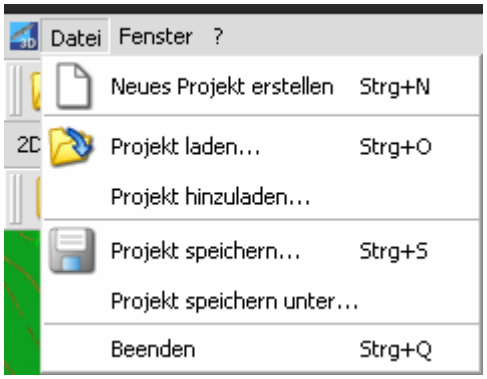
Under the textfield for entering the filename, there is a selection dialog for the directory you want to copy the map to. The directory will be saved and is selected the next time you choose the export function.

1.5 How to save a project in the Interactive Maps?

The IKT-format is the new project-format for the MagicMaps products. With this format it is possible to save more than one path and POIs (Points of Interest) in one file. This format will be used in the next MagicMaps products. This means for you:
You can save makers and path in one file, and you can load that file into MagicMaps2Go.

1.6 How to save a path and more than one marker as a project?

If you have created your path and the markers on the map choose from the menu „File“ the entry „Save project under“. If you have already loaded a project, it is also possible that you choose the option “Save project”. If you have chosen the option “Save project under” you can choose in the next dialog a name for the project and you can export it after saving ityou’re your PDA.



2 MagicMaps2Go 2.0 User Manual

Thank you for purchasing the MagicMaps2Go 2.0 application. This has been designed to faithfully navigate and track off-road routes on a personal digital assistance (PDA) with the help of a GPS unit.

Please take a little time to read this manual prior to use.

2.1 The MagicMaps2Go2 Today-Plugin

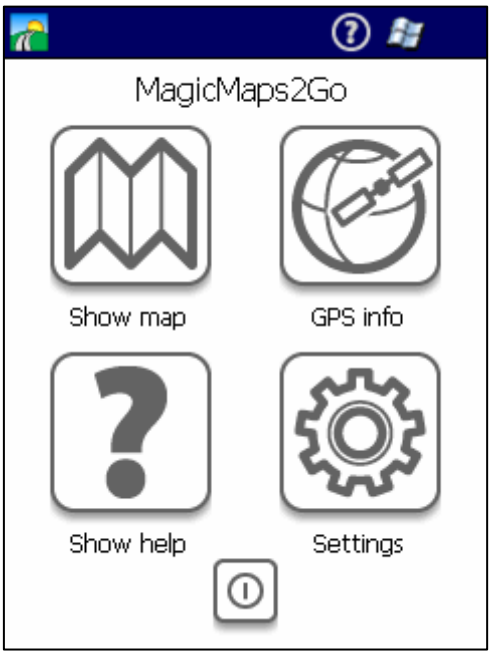
The MagicMaps2Go2 Today-Plugin allows you to start MagicMaps2Go2 form the Desktop of your PDA.

Activation and Deactivation of the MagicMaps2Go2 Today-Plugins:
You could activate the MagicMaps2Go Today-Plugin in the “Today”-dialog of your PDA. For opening the “Today”-dialog, got to Start->Settings->Private->Today->Elements. There you can choose which of the installed Today-Plugins should be visible or not.

After starting the application on your PDA the main menu is shown.

2.2 Main menu:

The main menu is displayed upon starting the application.



Show help:
This button opens the MM2Go 2.0 help file

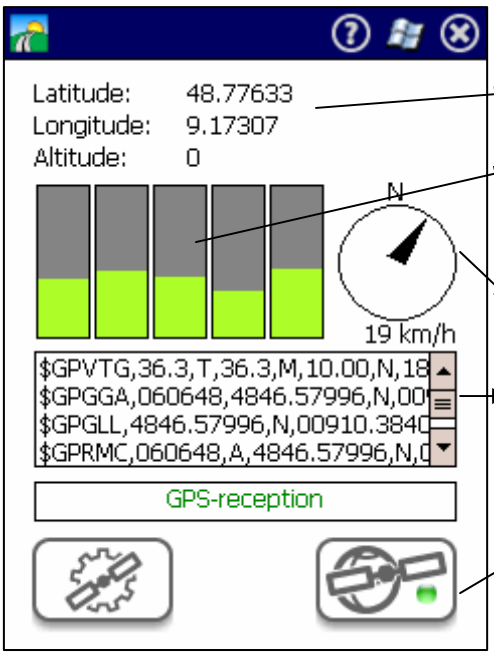
GPS info:
GPS Info displays the GPS status, which includes the reception quality and current position.

Show map:
The map view enables the user to load maps and projects, manipulate the active track and save the current project.
This view advances to the navigation and the tracking mode.

Settings:
All the applications settings can be configured from this point; it includes settings such as the default coordinate system and directory location.

2.3 GPS info:

The MagicMaps2Go 2.0 application is capable of communicating with many of today's available GPS units. This view shows the information that is received by the application.



The longitude and latitude of the current position.

The number of satellites that can be located in orbit or the number of satellites, which are used to calculate the actual position.

A wind rose that point to the north and also displays the speed of pace.

In this box you can see the data from the GPS, if GPS is active.

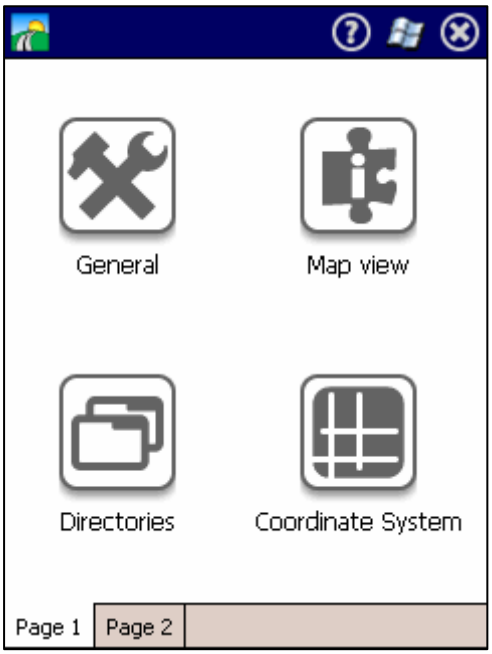
There are three possible GPS to PDA situations:

1. No GPS unit is connected to the PDA.
2. The GPS is connected to the PDA but has no satellite reception
3. The GPS is properly connected to the PDA and the reception is working well.

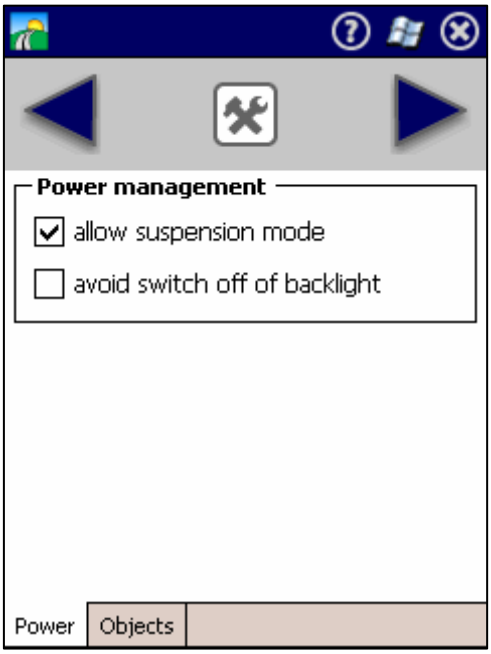
The button on the left opens the GPS settings. The button on the right switches the GPS reception on and off.

2.4 Settings:

The eight setting options can be initiated on the following two tabs.



2.4.1 Main Settings

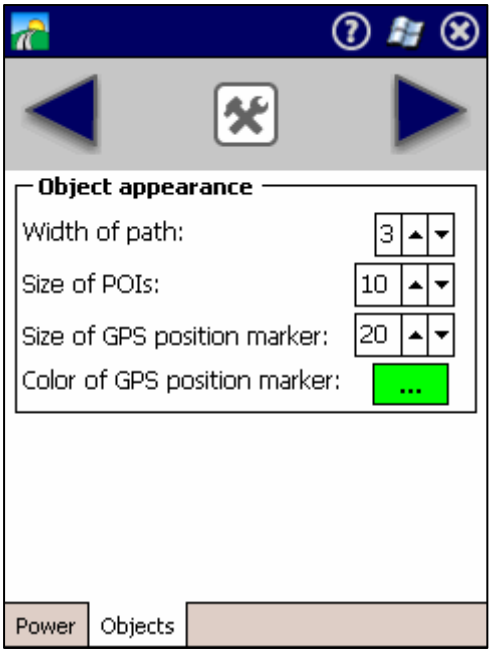


The main settings are divided in two pages.

Power:
On the page Power you can configure your powermanagement.

Allow:
If you want to allow that your PDA can switch into suspension mode during the execution of MagicMaps2Go check the box of this option.

Switch:
With this option you can deactivate and activate the switching of the backlight.



Objects:
On this page you can define the appearance of the objects in MagicMaps2Go.

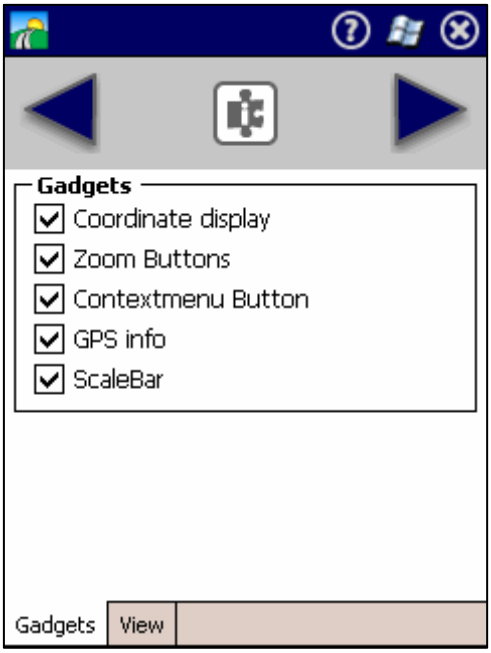
Width of path:
With this option you can switch the width of the path.

Size of POIs:
Switch the size of the POIs with this option.

Size of the GPS position marker:
Switch the size of the position marker.

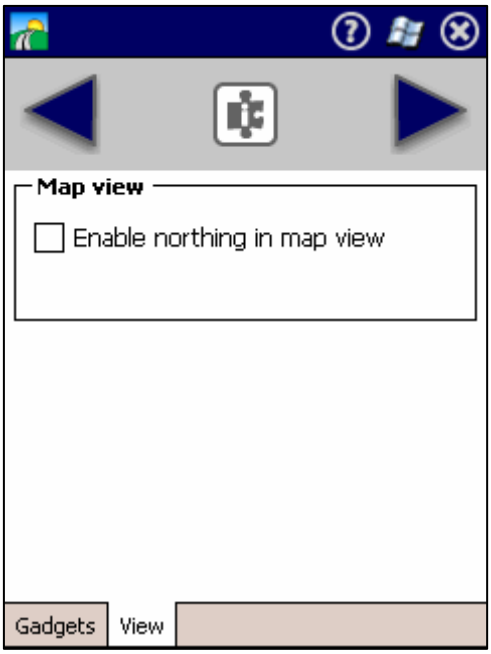
Color of the GPS position marker:
Set the Color of the positon marker.

2.4.2 Map View



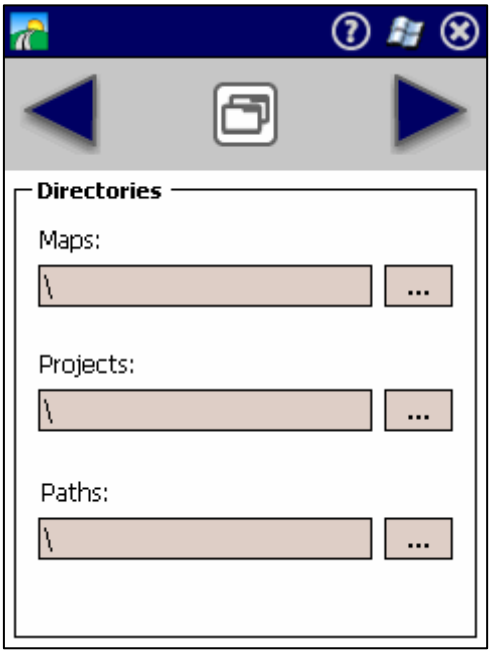
The options of the Map View are divided into two pages.

Gadgets:
You can activate and deactivate the gadgets in the first page. Switch on or off the Coordinate display, the Zoom Buttons, the Contextmenu Button, the GPS Info and the Scalebar.



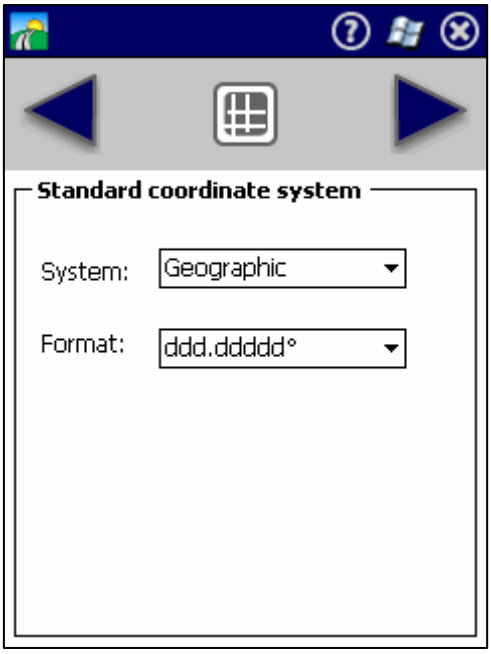
View:
Activating the “Enable northing in 3D view“ option will rotate the map in such a way that it always point to the direction of pace regardless of the maps north location.

2.4.3 Directories:



Define the standard directory for loading and saving maps and projects. This option enables the use of external memory card with the same ease of use as the internal PDA memory.

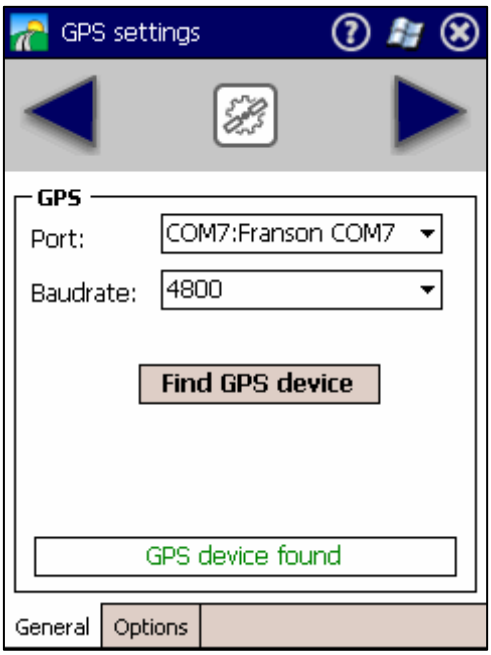
2.4.4 Coordinate system:



This setting enables the user to select the default coordinate system that the application will use in order to display its geographical data.

Note:
The selected coordinate system is not restricted to the coordinate system of the original information source and can always be changed.

2.4.5 GPS Settings:

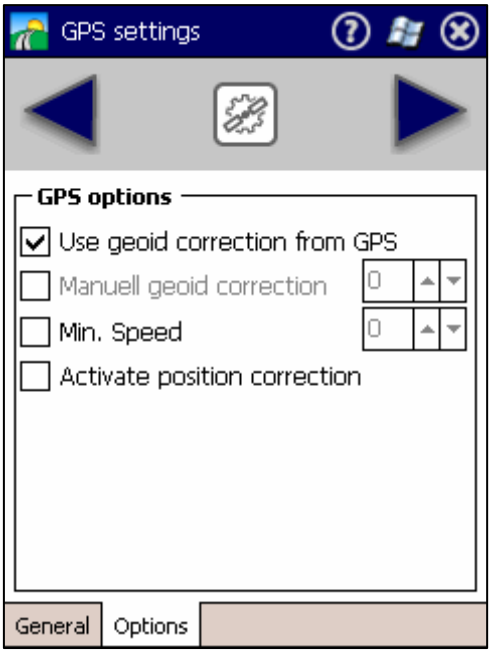


The GPS Settings are divided into two pages. General Settings and Options.

General:
It is important to select the correct communication port and baud rate for each individual GPS unit.

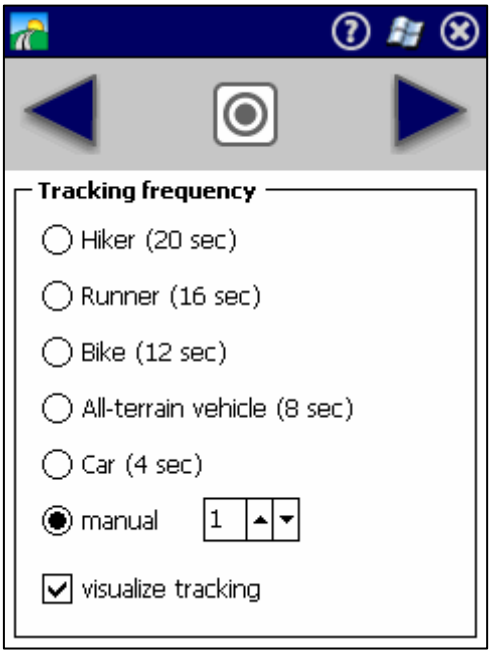
Notice: Consult your GPS provider for the correct value.

The button on the bottom of this screen tests the correctness of the configuration by activating the GPS connection.



Options:
The option “Use geoid correction from GPS” allows you, to activate the geoid correction of the GPS receiver and this will correct the received height.
If you want to correct the height manually, activate the option “Manual geoid correction”.
If the data of the gps receiver should be ignored, if the movement of yourself is under a special value, activate the “Minimal Speed” and enter a value.
If MagicMaps2Go should use the internal position correction, for correcting the position while you are not moving, activate the option: “Activate position correction”.

2.4.6 Tracking:



The Tracking settings are as follows:

Set the tracking frequency to match the speed of pace. This can be done by selecting one of the predefined values or prompting the value manually. This value defines how often information will be collected from the GPS unit.

Notice: A higher frequency rate delivers more accuracy but will also consume more memory and CPU use.

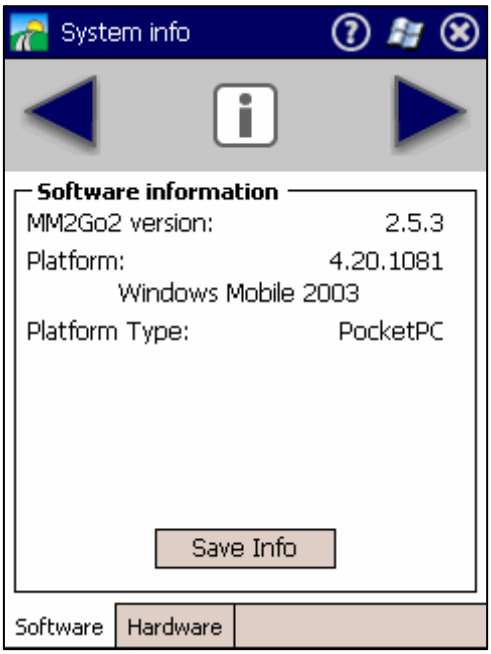
Available values:
Walking = 5s
Running = 4s
Bicycle riding = 3s
Off-road vehicle driving = 2s
Fast moving vehicle = 1s

Display the tracks path on the map.

2.4.7 Navigation:

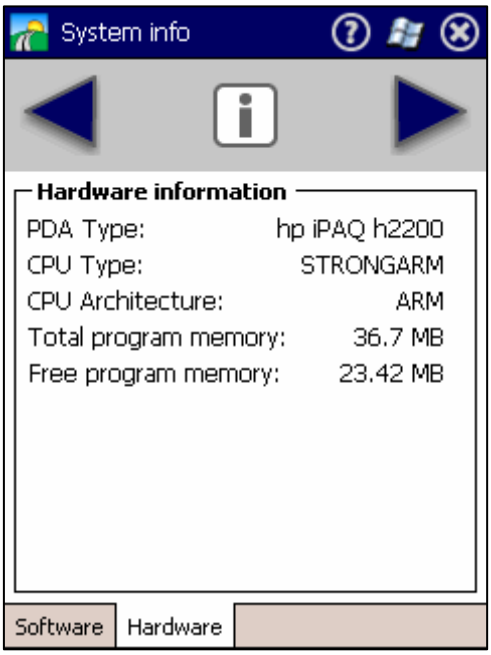
In this setting you can configure your navigation settings. Choose the Navigation Direction, or choose the acoustic warning you want to here if there is a Turn off Warning. You will be warn at the distance you choose with the option “Turn off warning” and you’ll be warned when you have to turn of.
With the offtrack warning you choose the distance to the path, MagicMaps2Go should tolerate. If your still in this area around your path, MagicMaps2Go will map you on the path. If you move out of this area, MagicMaps2Go will tell you that.

2.4.8 System informations:



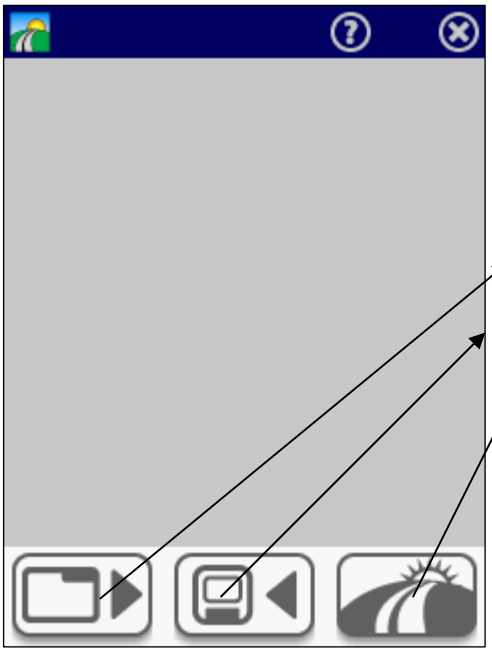
The system information view has also two pages.

Software:
On this page you see every information about your operating system on your PDA.
Please make sure that this information is available before calling the MagicMaps helpdesk, this will save much time in locating the cause of problem.
Therefore the button “Save Info” will export all the info seen in this setting to a little textfile in the program directory. Please search for that file (called systeminfo.txt) and send that to us, if you want to contact the MagicMaps helpdesk.



Hardware:
On this page you see all the information about the hardware of your PDA.

2.5 Map view:



The map view displays the active map and track which enables the user to manipulating POIs, changing the view mode and starting the active navigation.

There are three buttons at the bottom of the screen:

Load a track, project and map.

Save a project or a track.

Starting the active navigation and tracking mode and GPS mode

If you activate some Gadgets in the settings you will see them in the map view.

Once a map has been loaded into the view, it is possible with the help of the stylus to drag the map to any direction. Use the rocker button at the bottom of the PDA in order to change the maps ratio which will result in zoom in and out. Alternatively you can use the entry in the context menu. There are 5 zoomlevels.

The map supports a content menu that changes according to the selected object on the map.

2D / 3D-view: swap between a two dimension map and a pseudo three dimension map view.

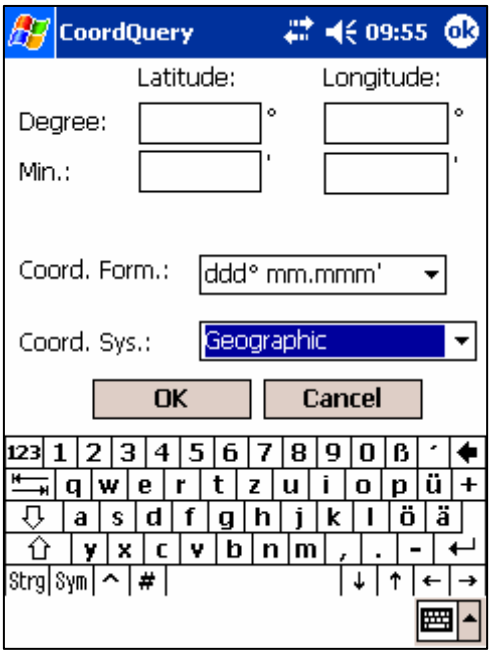
Fullscreen view: show the map without any buttons.

Show coordinate: show the coordinate of the selected point, which is useful for locating geo caching points of interest.

Add POI: The ability to add a new POI or even define a new track is one of the exciting new features of this application. This is option is only possible on 2D view and not available if the gps-mode is active. During this mode you can add a poi on the current gps position by pressing the rocker button.

Delete track: Deletes the current track.

Zoom: Choose between four zoom levels.



If you choose “Show coordinate” in the contextmenu, you will be directed in the dialog where you can enter a coordinate in a coordinate system MagicMaps2Go is compatible with. After entering the coordinates the POI is shown on the map (is function is really important for Geo-Cacher).

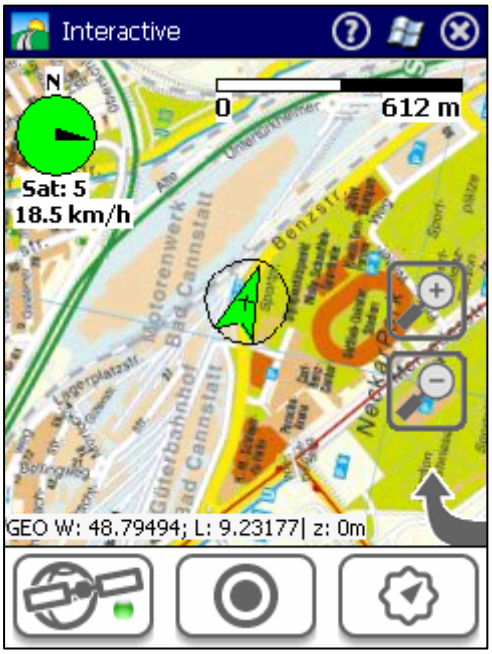
2.5.1 Gadgets

If you have activated some gadgets in the settings, they will be visible in the map view.

The Zoom Gadget:
Press the zoombuttons to zoom in or out of the card. Hold the buttons, if you want to zoom more than one step.

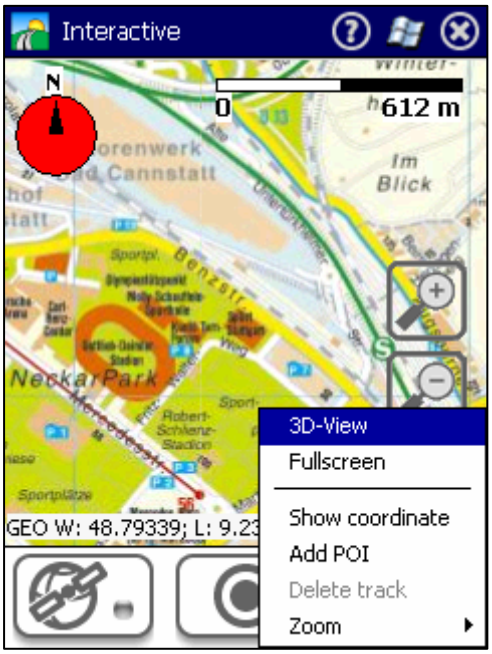
The Scalebar:
The scalebar shows you the actual scale factor of the map.

The coordinate display:
The coordinate display shows you the actual coordinates, if you tip with the stylus on the display. If GPS is active, the coordinates of the actual GPS position are shown.



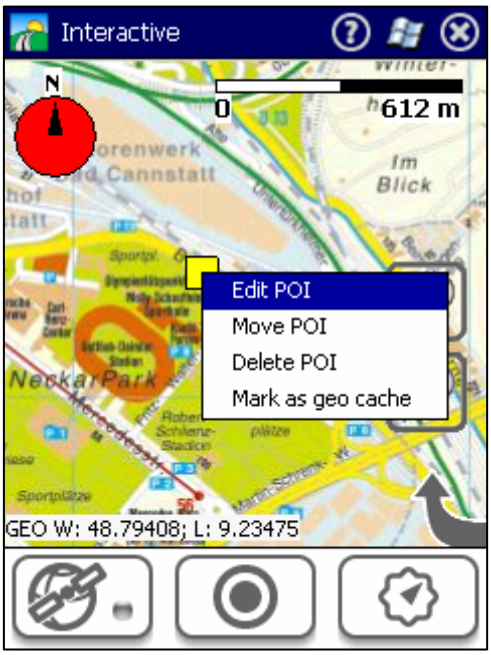
The GPS Gadget:
The GPS Gadget shows the actual status of your GPS connection. Is the gadget red, there was no GPS device found. If the gadget is orange, a GPS device was found, but there are no valid data available. If the gadget is green, everything is fine. Under the directionneedle, which displays you the actual direction in dependence to the north direction, the satellites in the orbit are shown and the speed is displayed.

Click on the gps gadget to get in the GPS Info Dialog.



The contextmenu button:
The contextmenu button allows you to display the contextmenu by clicking on it. You can get the whole functionality of the contextmenu in there. If you select the “Add POI” entry, a POI will be created in the middle of the display.

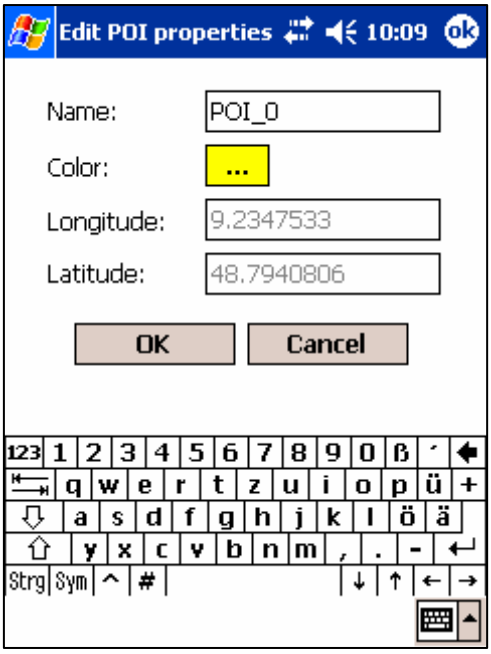
2.5.2 Editing a point of interest (POI):



Selecting a POI will open the following content sensitive menu:

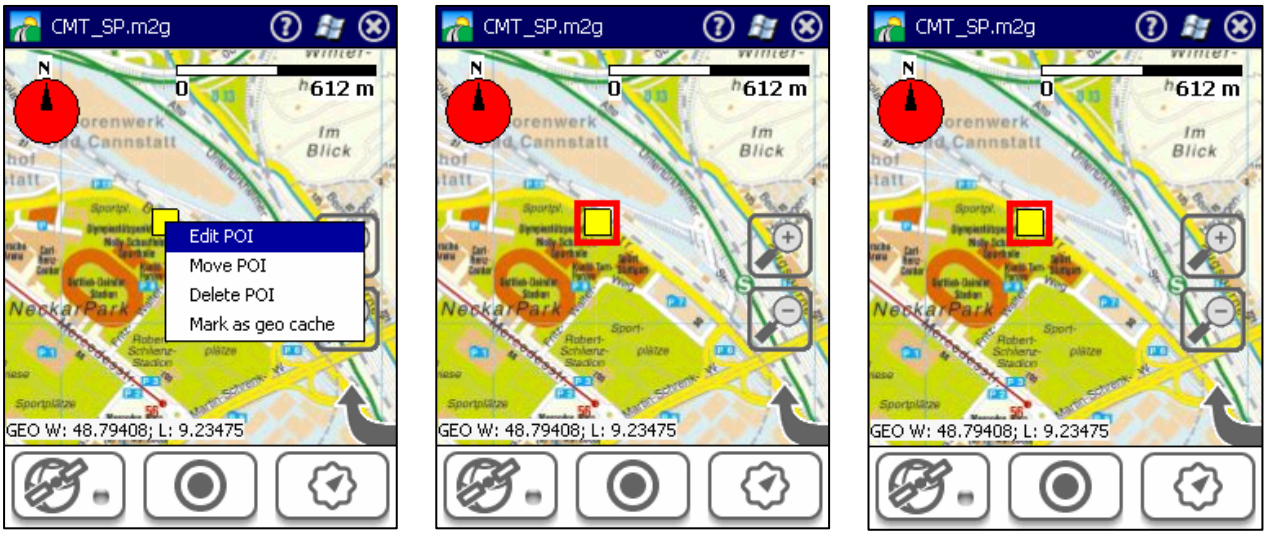
- Edit POI
- Select POI
- Delete POI
- Mark POI as Geocach

Once POI has been selected in order to be shifted, then the next time that the content sensitive menu will be opened the option: “Place shifted POI here” will be made available. (Notice the example that follows)



The following dialog will be open once the POI editor has been selected by the content sensitive menu. This lets the user give the POI a personalized name and a color.

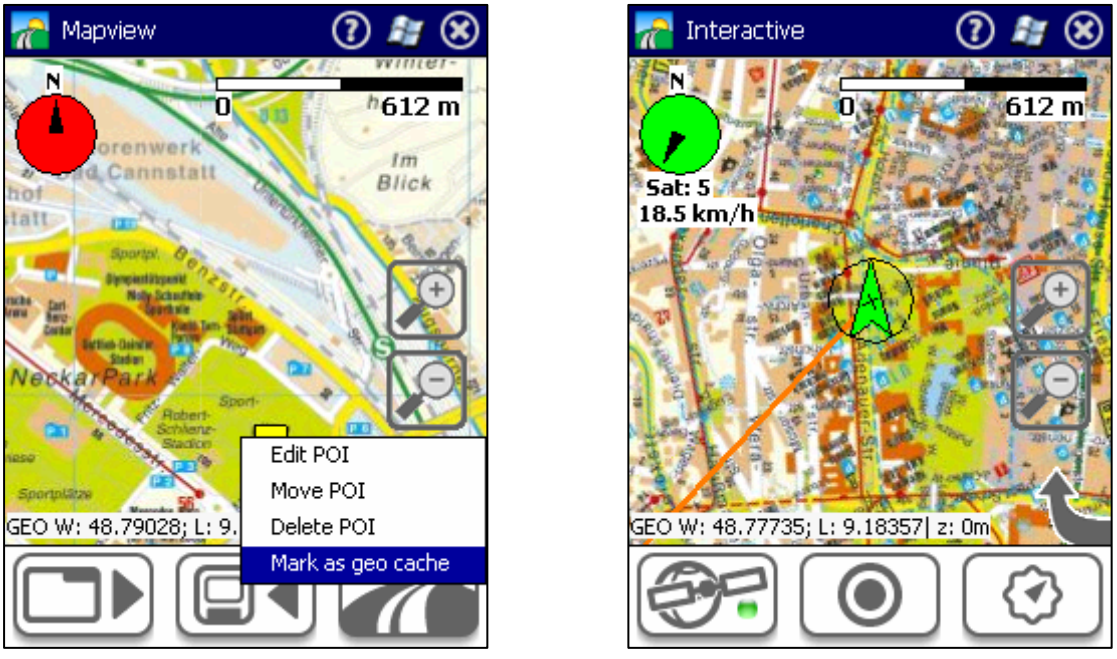
2.5.3 POI shifting:



Select „Move POI“ from the contextmenu. The POI will be marked with a red border. Afterwards select the new position of the POI by clicking on the position on the display.

2.5.4 Geocaching

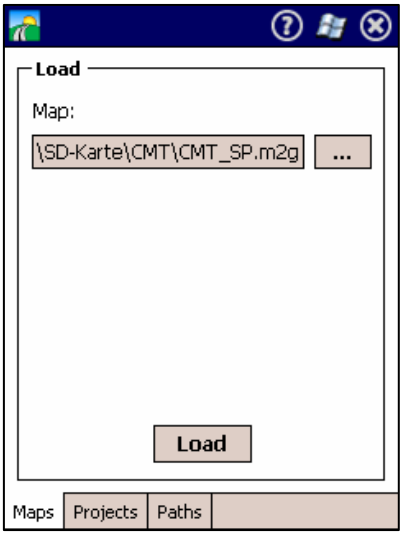
For marking a POI as a geocache, select the POI with the stylus. “Choose the Mark as Geocache” option. If you activate GPS afterwards a orange line will lead you to the marked POI.

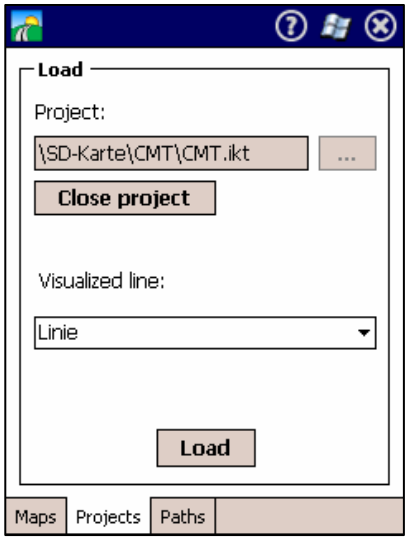


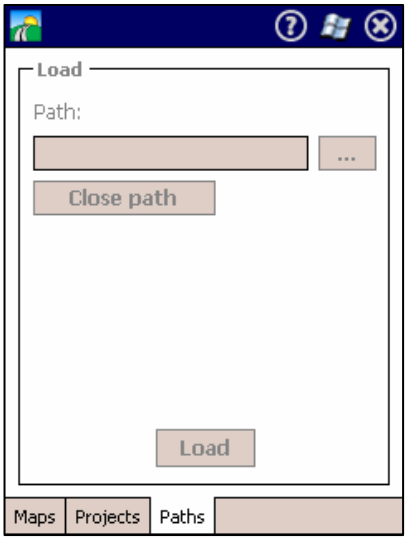
2.5.5 Load dialog:

This dialog consists of two tabs:

1. Load Map and project
2. Load track







Notice: the map must be created by the MapViewer PC application before it can be loaded. Two types of project are availabe: IKT projects with routes and POIs and PTH projects that have only routes.

2.5.6 About project file formats:

Project files offer the possibility to save many tours and POI on one single file. This file format can be created with the latest MapViewer PC version.

2.5.7 About map second format version:

The MagicMaps2Go2 uses a new map file format that is not support by the previous MM2Go version 1.0 format. This means that previously saved maps can not be loaded by the new application. Therefore, only by loading the old map to the PC MapViewer and save them again in the new format will guaranty that the map can be exported to the new PDA application.

The new map also requires an identification key that will be register both at the file and the PDA unit. Only maps that share the same identification key as the PDA will be loaded to the PDA application.

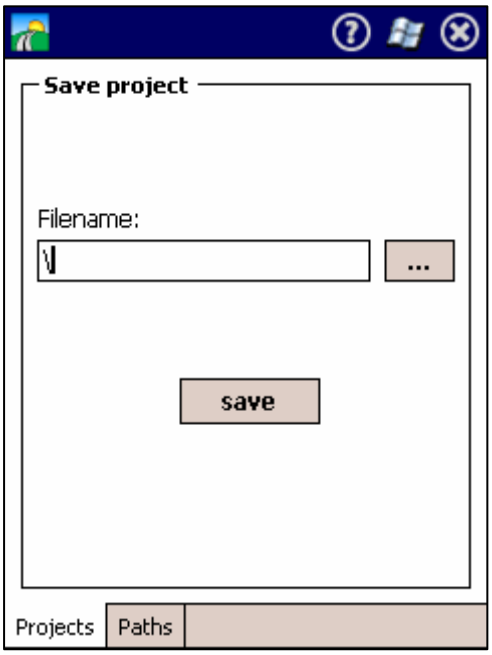
It is only possible to load a single tour at one time. If the selected tour has more than one tour than the user can chose which tour will be displayed on the active map. This is a

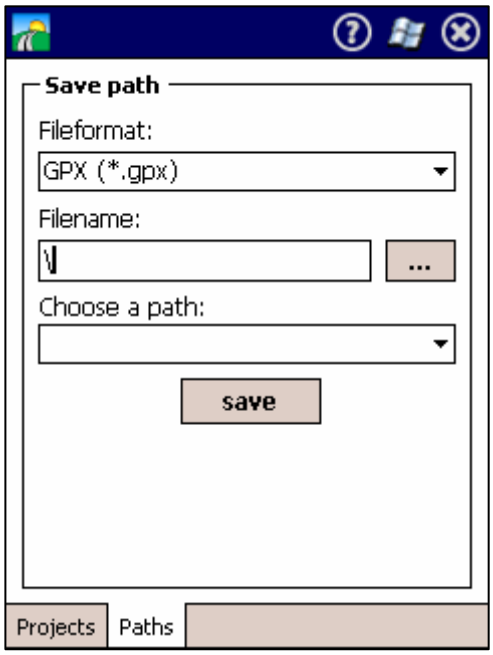
technical limitation that we are facing due to the limited CPU capacity of today's current PDA. Hopefully this limitation will disappear in the near future.

The last shown map will always be opened together with the application. On the other hand, the track will not be reloaded once the application is started.

The save dialog:

This dialog has two tabs, one for saving a project in IKT format and another for saving a track in PTH format.





Once a project has been saved, all its tracks and POI will be included in the saved file. If the PTH format has been selected than only one track will be saved and none of the POIs will be included. Therefore, it is always recommended to use the ITK file format.

If you are saving a file in the format pth-Format a warning will be shown, because pth is an older format an in near future the MagicMaps product won't support that format.

2.5.8 The interactive mode:

This button starts the interactive mode in which navigation and tracking is possible.

GPS-Button: Starts the GPS-reception

Tracking-Button: Starts the Tracking.

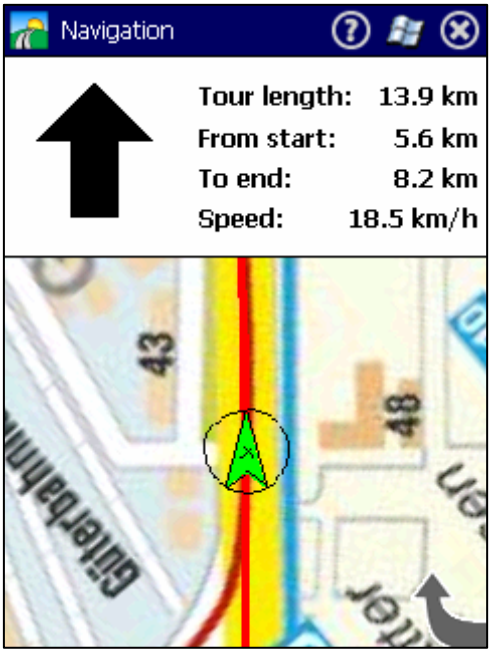
Navigations mode: Starts the navigation.

Info: If GPS is activated you can add a POI on the current GPS position by pressing the rocker button.

2.5.9 The GPS Mode

If you have configured your GPS connection, you can activate GPS by clicking on the left button in the interactive view. The GPS position marker will show you your actual position on the map.

2.5.10 Navigation mode:



Once the navigation has been started, than the top part of the screen will display the following information:

An arrow that shows in which direction the track should be followed.

The tour length
The distance that has already been tracked
The distance that is left to track
The speed of pace

The arrow shows you the direction of your path. Under the arraw the distance to the next turn is shown and if there is one, the arrow will show you the direction in which you should turn.